

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 35-9085

Exam Date: 6/5/2007

1. Current Owner: SNAKE RIVER VIEW ESTATES HOMEOWNERS ASSN
165 S 2170 E
ST GEORGE UT 84790

2. Accompanied by: TALKED TO EARL MECHAM

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

surface rights for irrigation also
35-13577 App for permit Add CFS

2. Other water rights with the same point of diversion:

35-13577 App for permit

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER	L3 NW1/4SW1/4	Sec. 23, Twp 02S, Rge 35E, B.M.
BINGHAM County		
GROUND WATER	SE1/4SE1/4	Sec. 22, Twp 02S, Rge 35E, B.M.
BINGHAM County		

Method of Determination:

GPS

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02S	35E	22													X			X	
02S	35E	23							X	X	X	X	X	X					
									L2	L3	L3	L3	L17						

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☐ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
North D0037612	40hp	submersible			
South D0011795	20hp	submersible			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

$$\text{CFS North} = \frac{40\text{hp} \times 6.16}{85' \times 2.31(50)} = 1.23 \text{ CFS from the largest well}$$

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

$$\text{CFS South} = \frac{20\text{hp} \times 6.16}{85' \times 2.3(50)} = .61 \text{ CFS}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .34 \times 365 \times 1.9835 = 246$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

$$54 \times 1.2 = 64.8 \text{ AF}$$

homes

G. NARRATIVE/REMARKS/COMMENTS

two wells/pumps to 54 homes subd. the north well is 40 HP and the south well is 20 hp.
electronic recording and measurement device installed on each well.

application 35-13577 filed for additional CFS.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.340 CFS	64.80 AF
<u>Totals:</u>		0.340 CFS	64.80 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name DAVE CARLSON Date 6/5/2007

Reviewer _____ Date _____

